

**Q.P. Code: 205001****Reg. no.: .....**

Second Professional MBBS Degree Examinations, March 2014

**Microbiology - Paper I****Time: 2 Hours****Total Marks: 40**

- Answer all questions
- Draw diagrams wherever necessary

**Essay:****(10)**

1. A 25 years old male comes to a medical outpatient department with complaints of high fever with relative bradycardia for the past one week, he has headache, coated tongue and hepatosplenomegaly. Answer the following:

- What is the probable diagnosis.
- What is the causative organism.
- Describe the pathogenesis of this disease.
- Discuss the laboratory diagnosis of this disease.
- Discuss the vaccines used for prevention of this disease.

**(1+1+3+3+2=10)****Short essay:****(2x5=10)**

2. Discuss about autoclave and its uses.
3. Discuss type I hypersensitivity reaction

**Short notes:****(10x2=20)**

4. Louis Pasteur
5. Lowenstein jensen medium
6. Coagulase test
7. Bacteroides fragilis
8. Satellitism
9. Weil-felix reaction
10. Natural killer cells
11. Transduction
12. Incineration
13. Acinetobacter baumannii

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